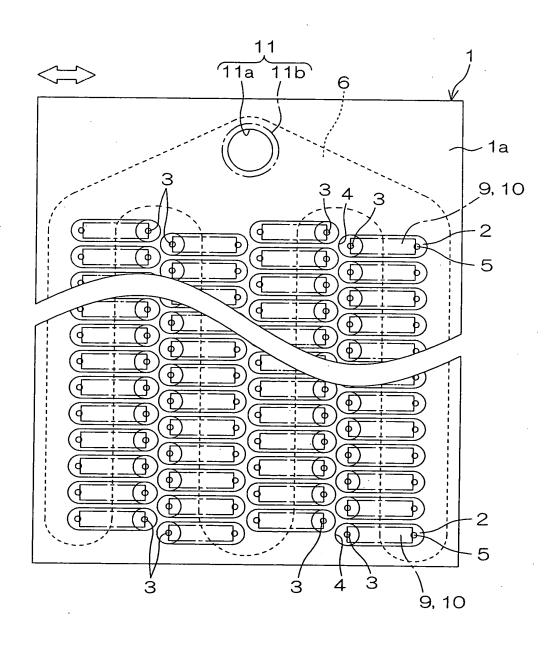
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FIG. 1



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FIG. 2

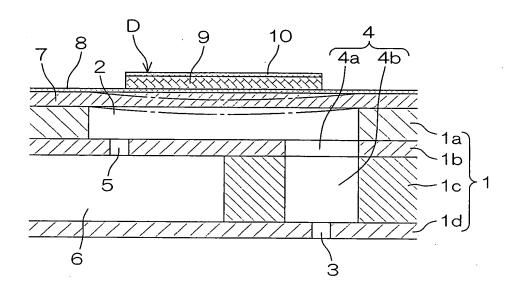
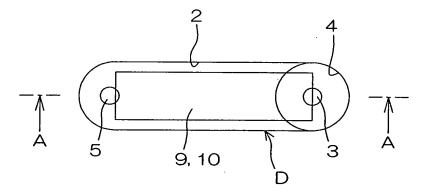
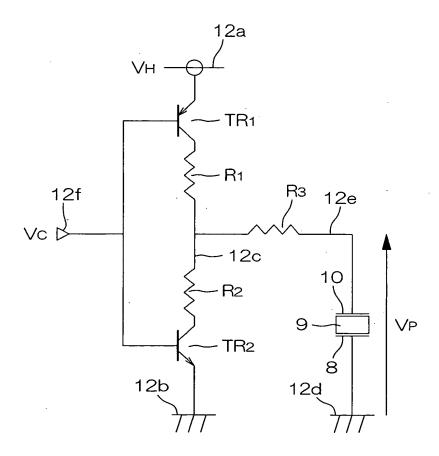


FIG. 3



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FIG. 4



Hogan & Hartson 81872.0058 Kenichi SATAKE Method for Driving Piezoelectric... EV 325 215 147 US 12 Drawing Sheets; Sheet 4 of 12

FIG. 5

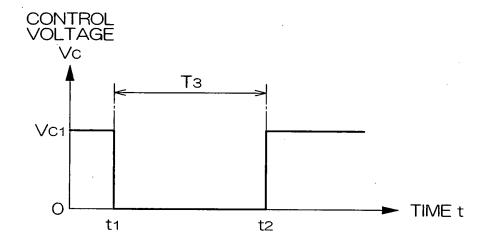
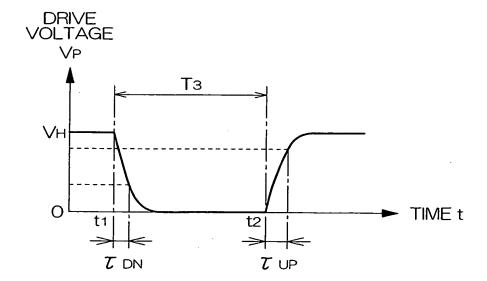


FIG. 6



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FIG. 7

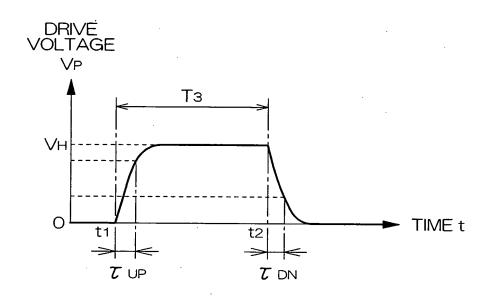
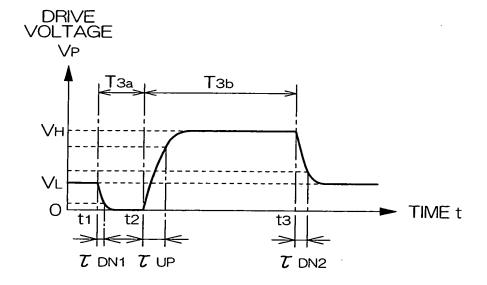
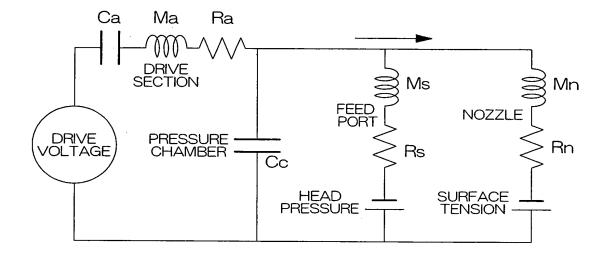


FIG. 8



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FIG. 9



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FIG. 10

VOLUMETRIC VELOCITY OF INK IN NOZZLE (TIME CONSTANT : 0.091 µ sec)

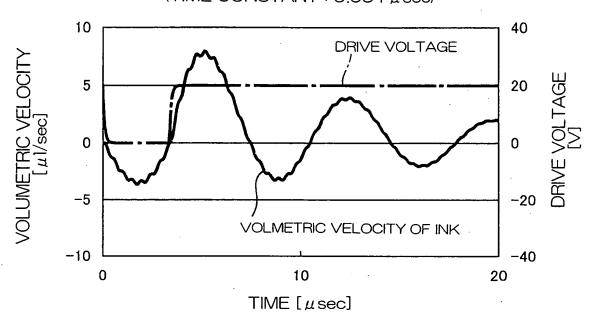
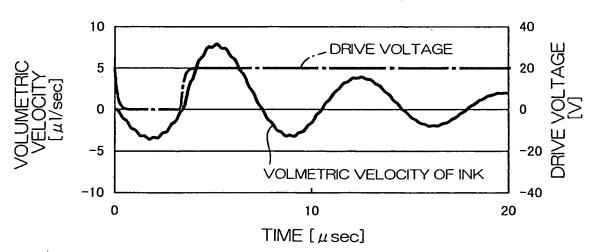


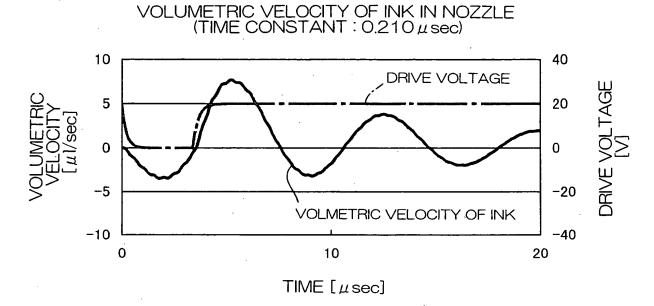
FIG. 11

VOLUMETRIC VELOCITY OF INK IN NOZZLE (TIME CONSTANT: 0.136 µ sec)



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FIG. 1.2



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FIG. 13

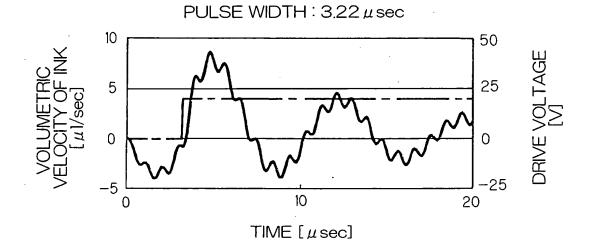
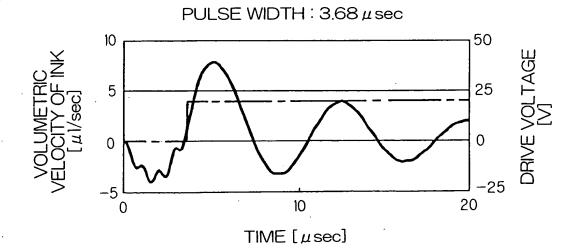


FIG. 14



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FIG. 15

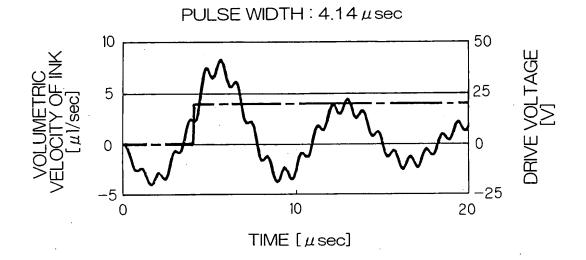
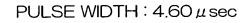
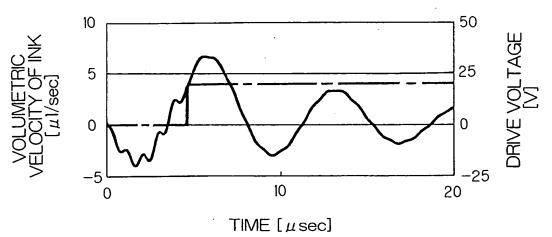


FIG. 16





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FIG. 17

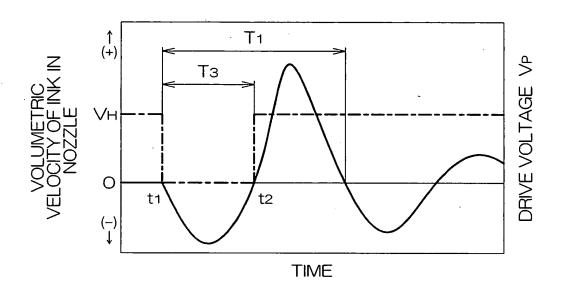
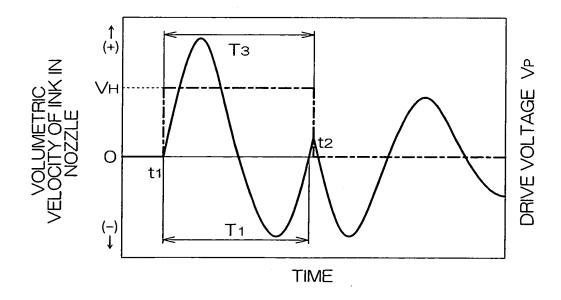


FIG. 18



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FIG. 19

